

Attachment 3 - Cost Estimates for Proposed Alternative Routes

	Route 1	Route 2	Route 3	Route 4	Route 5	Route 6	Route 7	Route 8	Route 9	Route 10
Right-of-Way (Easement and Fees)	\$15,738,000	\$13,486,000	\$13,403,000	\$15,150,000	\$15,849,000	\$17,327,000	\$16,648,000	\$16,894,000	\$15,690,000	\$15,713,000
Labor and Transportation (Utility)	\$758,000	\$752,000	\$786,000	\$775,000	\$767,000	\$709,000	\$694,000	\$735,000	\$684,000	\$643,000
Labor and Transportation (Contract)	\$18,192,000	\$18,042,000	\$18,854,000	\$18,579,000	\$18,400,000	\$17,010,000	\$16,652,000	\$17,637,000	\$16,401,000	\$15,424,000
Material and Supplies (including Stores)	\$5,583,000	\$5,636,000	\$5,659,000	\$5,849,000	\$5,751,000	\$5,333,000	\$5,095,000	\$5,456,000	\$5,083,000	\$4,686,000
Engineering and Administration (Utility)	\$2,552,000	\$2,526,000	\$2,596,000	\$2,613,000	\$2,579,000	\$2,383,000	\$2,301,000	\$2,447,000	\$2,281,000	\$2,149,000
Engineering and Administration (Contract)	\$348,000	\$345,000	\$354,000	\$357,000	\$352,000	\$325,000	\$314,000	\$334,000	\$311,000	\$294,000
Estimated Total Cost	\$43,171,000	\$40,787,000	\$41,652,000	\$43,323,000	\$43,698,000	\$43,087,000	\$41,704,000	\$43,503,000	\$40,450,000	\$38,909,000
Other Costs-Transmission	--	--	--	--	--	--	--	--	--	--
Other Costs -Distribution	--	--	--	--	--	--	--	--	--	--
Other Costs-Substation	\$22,832,000	\$22,832,000	\$22,832,000	\$20,832,000	\$22,832,000	\$22,832,000	\$20,832,000	\$20,832,000	\$20,832,000	\$20,832,000
GRAND TOTAL COST	\$66,003,000	\$63,619,000	\$64,484,000	\$64,155,000	\$66,530,000	\$65,919,000	\$62,536,000	\$64,335,000	\$61,282,000	\$59,741,000

	Route 11	Route 12	Route 13	Route 14	Route 15	Route 16	Route 17	Route 18	Route 19	Route 20
Right-of-Way (Easement and Fees)	\$15,336,000	\$15,687,000	\$15,650,000	\$18,240,000	\$23,444,000	\$21,408,000	\$27,677,000	\$26,582,000	\$26,019,000	\$20,733,000
Labor and Transportation (Utility)	\$782,000	\$743,000	\$821,000	\$723,000	\$1,119,000	\$993,000	\$1,039,000	\$1,269,000	\$1,039,000	\$925,000
Labor and Transportation (Contract)	\$18,758,000	\$17,827,000	\$19,699,000	\$17,346,000	\$26,856,000	\$23,819,000	\$24,913,000	\$30,450,000	\$24,922,000	\$22,181,000
Material and Supplies (including Stores)	\$5,801,000	\$5,353,000	\$6,196,000	\$5,329,000	\$8,837,000	\$7,831,000	\$8,031,000	\$10,186,000	\$8,215,000	\$6,901,000
Engineering and Administration (Utility)	\$2,585,000	\$2,451,000	\$2,741,000	\$2,426,000	\$3,846,000	\$3,395,000	\$3,528,000	\$4,339,000	\$3,552,000	\$3,109,000
Engineering and Administration (Contract)	\$353,000	\$335,000	\$374,000	\$331,000	\$525,000	\$463,000	\$482,000	\$592,000	\$485,000	\$424,000
Estimated Total Cost	\$43,615,000	\$42,396,000	\$45,481,000	\$44,395,000	\$64,627,000	\$57,909,000	\$65,670,000	\$73,418,000	\$64,232,000	\$54,273,000
Other Costs-Transmission	--	--	--	--	\$2,529,000	\$2,529,000	\$2,529,000	\$2,529,000	\$2,529,000	\$3,522,000
Other Costs -Distribution	--	--	--	--	--	--	--	--	--	--
Other Costs-Substation	\$20,832,000	\$20,832,000	\$22,832,000	\$22,832,000	\$22,832,000	\$20,832,000	\$20,832,000	\$22,832,000	\$20,832,000	\$22,832,000
GRAND TOTAL COST	\$64,447,000	\$63,228,000	\$68,313,000	\$67,227,000	\$89,988,000	\$81,270,000	\$89,031,000	\$98,779,000	\$87,593,000	\$80,627,000

Assumptions:

- 1) Assumed 750 feet Nominal Span Length Between Tangent Structures
- 2) Combined the parallel lengths for the pipeline and railroad from "Evaluation Criteria" table and estimated that the mitigation would be the same cost for both per foot.
- 3) Assumed 96% Labor and Transportation (Contract) and 4% Labor and Transportation (Utility)
- 4) Assumed 88% Engineering & Admin (Utility) and 12% Engineering and Admin (Contract)

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